



SF 2877

**IN THE U. S. PATENT AND TRADEMARK OFFICE**

In re Application of: Doty  
Application Number: 09/863,128  
Filed: 05/22/2001  
For: **DETECTION OF IONIZING RADIATION  
BY POLYMER MATERIALS**  
Art Unit: 2877  
Examiner: Stock, G.  
Attorney Docket No: SD-8286

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**RESPONSE**

Sir:

Applicants submit the following in complete response to the Office Action of 06/16/2006, a Final Action. In view of the response below, Applicants request reconsideration and allowance of the claims.

**IN THE CLAIMS**

**Please amend the claims as follows:**

1. (previously presented) A material for detecting ionizing radiation, comprising a solid organic semiconducting material consisting essentially of a  $\pi$ -conjugated material having an electrical resistivity of at least  $10^9$  ohm-cm.
2. (original) The material of claim 1, wherein the  $\pi$ -conjugated material comprises a mixture of  $\pi$ -conjugated materials.
3. (previously presented) The material of claim 1, wherein the  $\pi$ -conjugated material includes  $\pi$ -conjugated polymers having long chains